

Selenium Practice Assignment – "E-Commerce Website Automation"

Objective

Automate a few test scenarios on a sample e-commerce site using Selenium WebDriver.

Application to Test

Use: <http://automationpractice.com/> (demo site)

If this site is down, you can also try: <https://www.saucedemo.com/>

Assignment Tasks

Task 1 – Login Test

Steps:

Open browser and navigate to the site.

Click on Sign in.

Enter valid email and password.

Click Sign in button.

Verify the My Account page is displayed.

Expected Result: User should successfully log in and see their account dashboard.

```
package Assesement_day19;
import org.openqa.selenium.*;
import org.openqa.selenium.chrome.*;
import org.openqa.selenium.firefox.*;

public class Login_test {

    public static void main(String[] args) throws
    InterruptedException {
        WebDriver driver=new ChromeDriver();
        driver.get(" https://www.saucedemo.com");
```

```
System.out.println("Welecome to page");
{
System.out.println("Manula test - check user is able to login
with" + " valid username and valid password ");
}
driver.findElement(By.id("user-name")).click();
driver.findElement(By.id("user-
name")).sendKeys("problem_user");
driver.findElement(By.id("password")).click();
driver.findElement(By.id("password")).sendKeys("secret_sauce
");
driver.findElement(By.name("login-button")).click();
Thread.sleep(5000);
System.out.println("Login successfully");

}

}
```

Output:

Welecome to page

Manula test - check user is able to login with valid username
and valid password

Login successfully

Task 2 – Product Search and Add to Cart

- **Steps:**

1. Search for a product using the search bar (e.g., "dress").
2. Select the first product from search results.
3. Add it to the cart.
4. Verify that the success popup/cart message is displayed.

- **Expected Result:** The product is added to the cart and confirmation message appears.

```

package Assesment_day19;

import org.openqa.selenium.*;
import org.openqa.selenium.chrome.*;
import org.openqa.selenium.firefox.*;

public class Add_dress_into_cart {

    public static void main(String[] args) throws InterruptedException {

        WebDriver driver=new ChromeDriver();

        driver.get("https://www.flipkart.com/");

        System.out.println("Welecome to page");

        WebElement searchBox =
driver.findElement(By.xpath("//*[@id=\"container\"])/div/div[1]/div/div/div/div/div/div/div/div/div/div/div[1]/div/div/header/div[1]/div[2]/form/div/div/input"));

        searchBox.clear();

        searchBox.sendKeys("dress");

        searchBox.sendKeys(Keys.ENTER);

        Thread.sleep(3000);

        // 2. Select product

driver.findElement(By.xpath("//*[@id=\"container\"])/div/div[3]/div[1]/div[2]/div[2]/div/div[1]/div/a/div[1]/div/div/div/img")).click();

        // Switch to product page tab

        for (String handle : driver.getWindowHandles()) {

            driver.switchTo().window(handle);

        }

        // Add to Cart

        WebElement addToCartBtn =
driver.findElement(By.xpath("//*[@id=\"container\"])/div/div[3]/div[1]/div[1]/div[2]/div/ul/li[1]/button"));

```

```

        addToCartBtn.click();

        Thread.sleep(3000);

        driver.quit();
    }
}

```

Task – Logout Test

- **Steps:**
 1. Click **Sign out**.
 2. Verify that the login page is displayed again.
- **Expected Result:** User should be successfully logged out.

```

package Assessement_day19;
import org.openqa.selenium.*;
import org.openqa.selenium.chrome.*;
import org.openqa.selenium.firefox.*;
public class Logout {

    public static void main(String[] args) throws
    InterruptedException {
        WebDriver driver=new ChromeDriver();
        driver.get("https://www.saucedemo.com/inventory.html");
        // Login
        driver.findElement(By.id("user-
        name")).sendKeys("standard_user");
        driver.findElement(By.id("password")).sendKeys("secret_sauce
        ");
        driver.findElement(By.id("login-button")).click();
        System.out.println("login successfully");

        driver.findElement(By.id("react-burger-menu-btn")).click();
    }
}

```

```
Thread.sleep(1000); // Wait for menu to open
```

```
// Click logout
```

```
driver.findElement(By.id("logout_sidebar_link")).click();
```

```
System.out.println("logout successfully");
```

```
driver.quit();
```

```
}
```

```
}
```

Output:

login successfully

logout successfully